

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
12 October 2006 (12.10.2006)

PCT

(10) International Publication Number  
**WO 2006/108188 A2**

(51) International Patent Classification:  
**G02B 6/10** (2006.01)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
PCT/US2006/013681

(22) International Filing Date: 7 April 2006 (07.04.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/669,029 7 April 2005 (07.04.2005) US  
60/699,619 15 July 2005 (15.07.2005) US

(71) Applicant (for all designated States except US): **REVEO, INC.** [US/US]; 3 Westchester Plaza, Elmsford, New York 10523 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

Published:

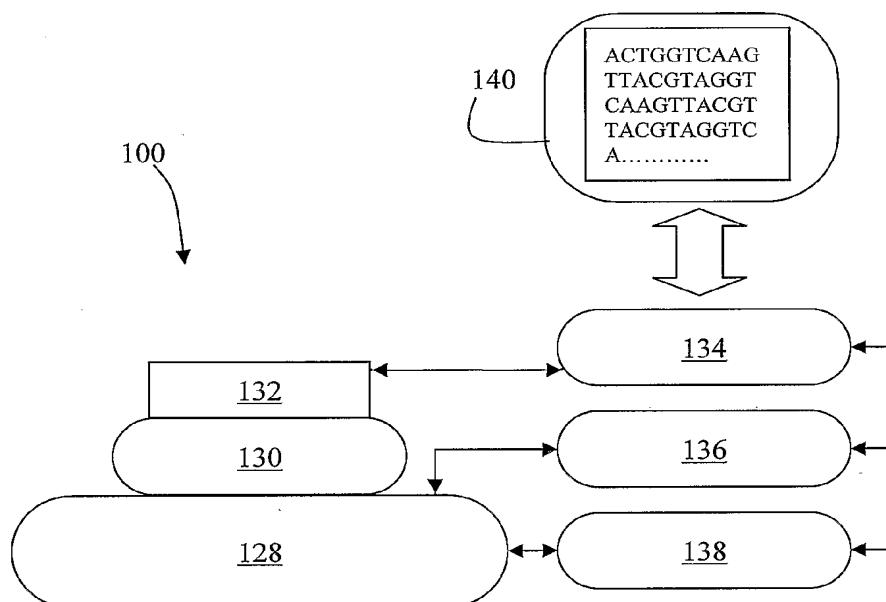
(75) Inventor/Applicant (for US only): **FARIS, Sadeg, M.** [US/US]; 3 Westchester Plaza (\*\*).

— without international search report and to be republished upon receipt of that report

(74) Agent: **CRISPINO, Ralph, J.**; REVEO, INC., 3 Westchester Plaza, Elmsford, New York 10523 (US).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROBES, METHODS OF MAKING PROBES AND APPLICATIONS OF PROBES



(57) Abstract: Provided herein are methods and apparatuses for analyzing molecules, particularly polymers, and molecular complexes with extended conformations. In particular, the methods and apparatuses are used to identify sequence information in molecules or molecular ensembles, which is subsequently used to determine structural information about the molecules. Further, provided herein are various methods of forming probes and films for making such probes of nanoscale dimension.

WO 2006/108188 A2